

Enterprise Change Management (ECM) Tool & Process Orientation / Training Briefing

Background - FSA ECM Effort

Background - FSA ECM Process and Tool

How Does the ECM Tool work?

How Does the ECM Process work?

Conclusion

December, 2002 Version 2.2



ECM Tool Process Training Objectives

- 1. Provide understanding of ECM Process
- 2. Provide trainees basic technical information needed to be effective Users of the ECM Tool
- 3. Answer questions and capture suggestions from trainees

Background - FSA Enterprise Change Management (ECM) Effort



Enterprise Change Management (ECM) is all about integration and visibility to change across FSA.

Application Teams



Data Center(s)



Enterprise Stakeholders



Enterprise Change Requests (CRs) Requiring Management

ECM Process & Tool

Provides Application Teams, Data Centers and Enterprise Stakeholders single points of reference and a common understanding of the CR Process, enhancing integration and increasing visibility to change across FSA.

Background - FSA Enterprise Change Management (ECM) Process and Tool



ECM Process:

ECM Tool:





Application Teams

Data Center(s)







Enterprise Change Requests (CRs) Requiring Management

ECM Process & Tool

- -Focused on capturing CRs formally submitted to Data Center(s) (e.g. VDC)
- -Used to log, and manage CRs across the Enterprise



How does the ECM Tool Work?

ECM Tool:



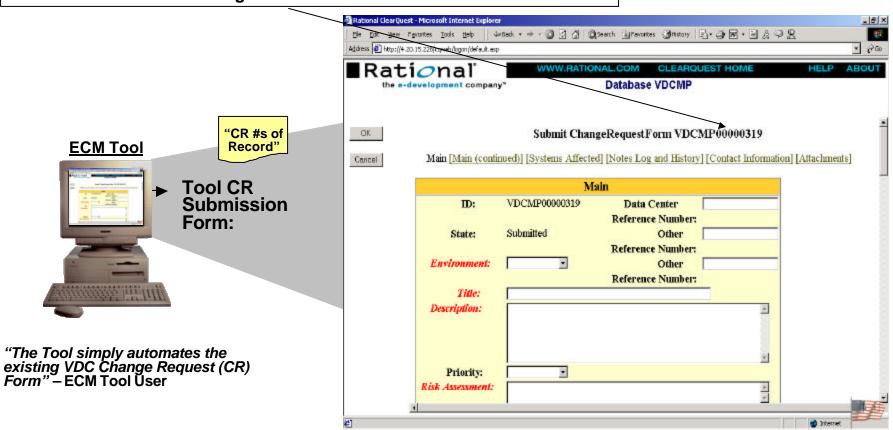
Major ECM Tool Functionality Includes:

- 1. Change Request Submission Capability
- 2. Impact Analysis ("Other Systems Affected" by CR)
- 3. CR Funding Validation
- 4. Automatic Email Notifications
- 5. Query Capabilities
- 6. Printable Standard & Dynamic Reports
- 7. Tool Enhancements Suggestion Submission



1. Change Request Submission Capability

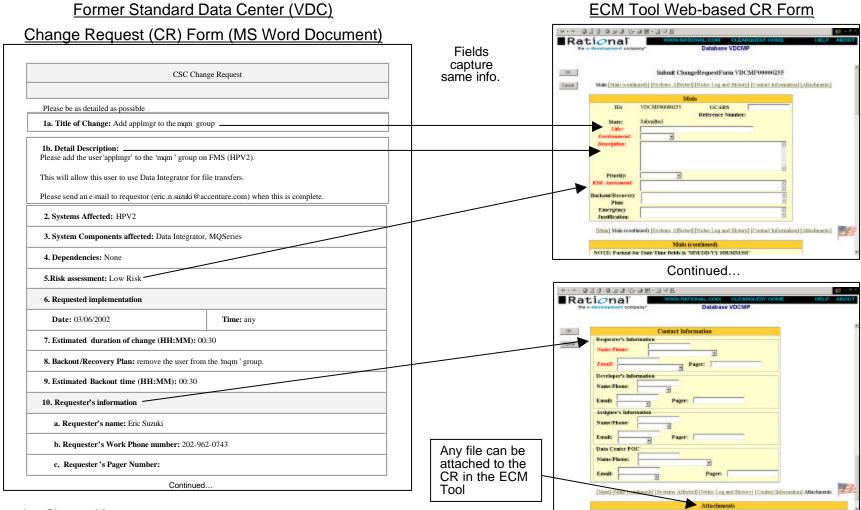
Each Submitted CR will always have a Unique ECM Tracking Number... this will be the "CR Tracking Number of Record"





Change Request Submission Capability (contd.)

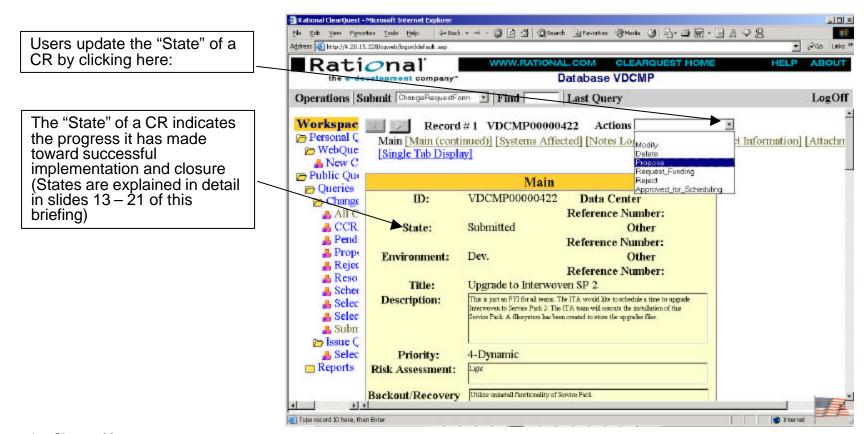
"The Tool simply automates the existing VDC Change Request (CR) Form"





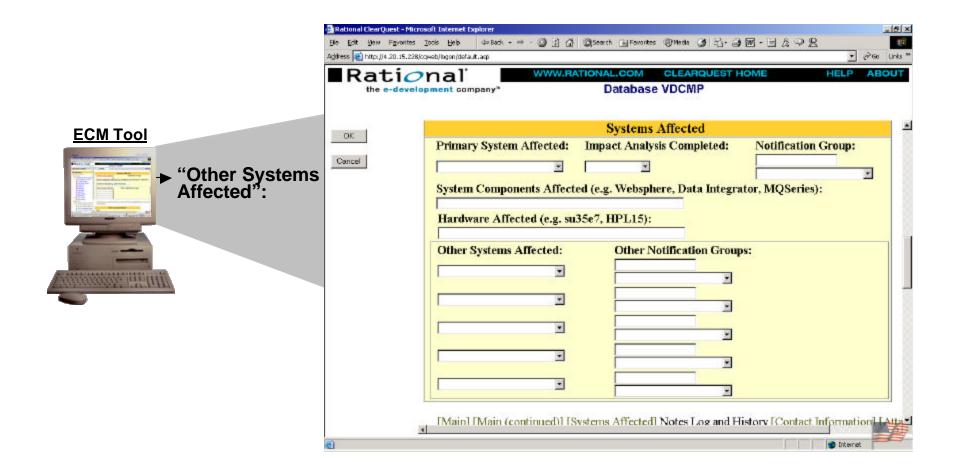
Change Request Submission Capability (contd.)

Once the CR has been submitted into the system, updates to the "State" of the CR are made by Selecting the appropriate "Action" (Propose, Schedule, Resolve, Close etc.)





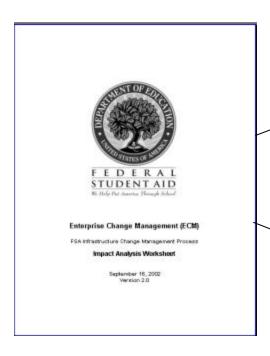




Impact Analysis Data Capture (contd.)



The FSA Impact Analysis Worksheet is to be completed and attached to All CRs submitted into the ECM Tool. The Impact Analysis Template is available to all ECM Tool Users as of 9/16 via the ECM Tool Support Repository section of the FSA CIO Homepage on FSANet.



Impact Analysis
Introduction and
Instructions for Use
– page 2

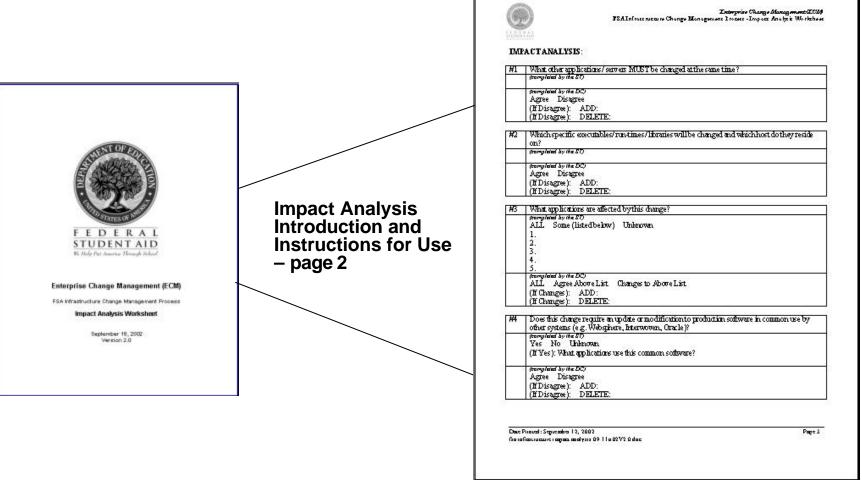
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	1 1 1 1 1 A 10
	IRODUCTION:
in vita	impact analysis is an integral part of any charge process. The FSA kifastructure Charge neagement Process Impact, evalup's Worksheet is designed to support the impact analysis associated in a projected charge to an FSA system. The Impact Analysis Worksheet is designed to be completed into bythe Submitting Team and the Data Center and attached to the Charge Requestibut exists in ECM Tool.
4 D	BREVIATIONS:
CH	
DC	
ST	
	700 mm = 1000 mm
ftl	TTE: we DC is originating a CR, it becomes the ST for questions 1 through 10 and still completes questions hrough 15.
IN:	STRUCTIONS FOR USE
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. [(Highlight answers in yellow).
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3 4 5 6 7	The ST lists the affected systems identified on this form into the "Other Affected Systems" section of the CR. The ST raises the level of the CR from "draft" to "scionit to DC". The DC receives email rotification of the CR. The DC downloads the attached impact walysis. The DC reviews the criginal impact walysis, conducts its own impact walysis and modifies the
3 4 5 6 7	The ST lists the affected systems identified on this form into the "Other Affected Systems" section of the CR. The ST raises the level of the CR from "draft" to "submit to DC". The DC receives email notification of the CR. The DC downloads the standard impact analysis, conducts its own impact analysis and modifies the form by completing the "DC" positions of the form. (Highlight answers in yellow).
3 4 5 7 8	The ST lists the affected systems identified on this form into the "Other Affected Systems" section of the CR. The ST raises the level of the CR from "draft" to "submit to DC". The DC receives email notification of the CR. The DC dwardoods the standard impact analysis. The DC receives the original impact analysis, conducts its own impact analysis and modifies the form by completing the "DC" postions of the form. (Highlight answers in yellow). The DC attackes the updated impact analysis worksheet to the CR. The DC updates the "Other Affected Systems" section of the CR by adjusting the entries to agree
3 4 5 7 8	The ST lists the affected systems identified on this form into the "Other Affected Systems" section of the CR. The ST raises the level of the CR from "draft" to "sibmit to DC". The DC receives email rotification of the CR. The DC downloads the standed impact analysis. The DC overselves the original impact analysis, conducts its own impact analysis and modifies the form by completing the "DC" positions of the form. (Highlight answers in yellow). The DC attackes the uddated impact analysis workbested to the CR.
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Impact Analysis Data Capture (contd.)



The Impact Analysis is a series of questions that Application Team and Data Center Resources consider in order to identify "Other Systems Affected" by CRs

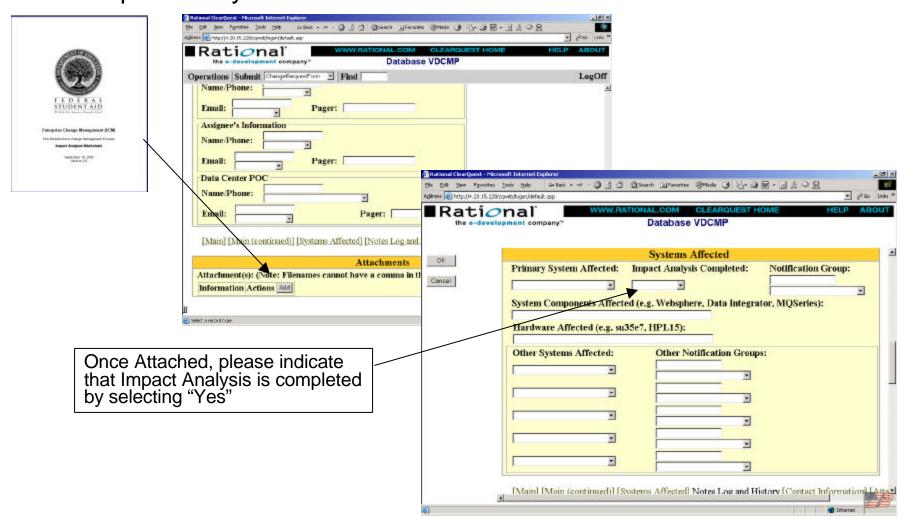
under consideration



Impact Analysis Data Capture (contd.)

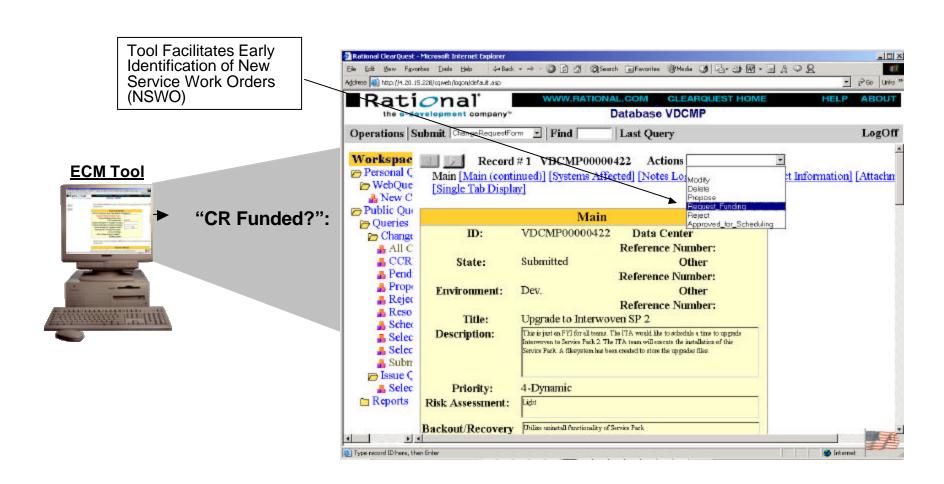


The Impact Analysis is attached as shown below:





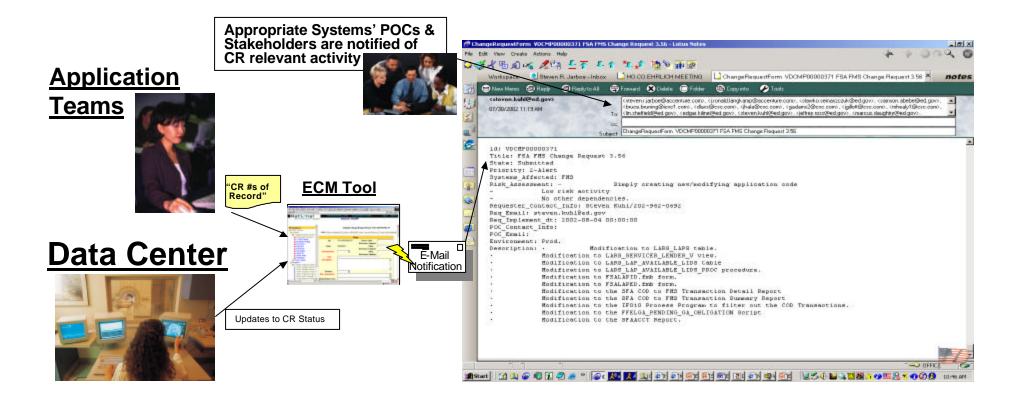
3. CR Funding Validation





4. Automatic Email Notifications

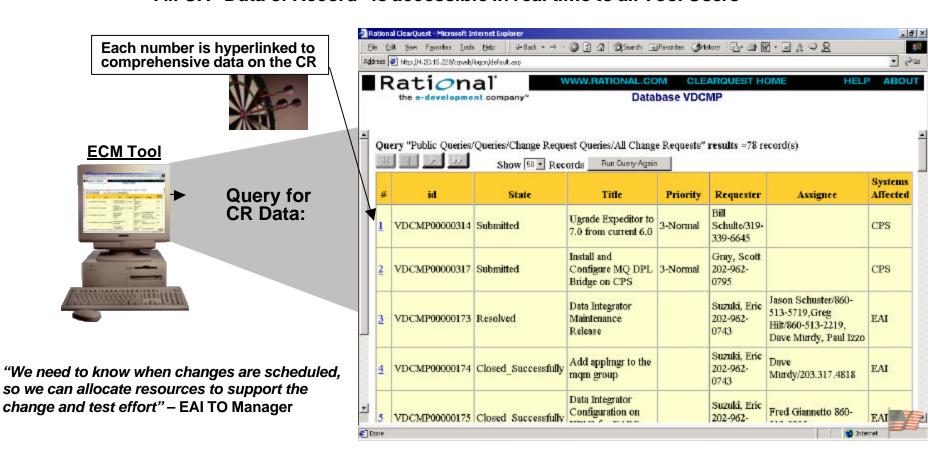
Application Team CR Submissions and VDC Updates to CR Data in the Tool can automatically generate email notifications for all potentially affected systems (e.g. systems identified in Impact Analysis) to review as needed





5. Query Capabilities

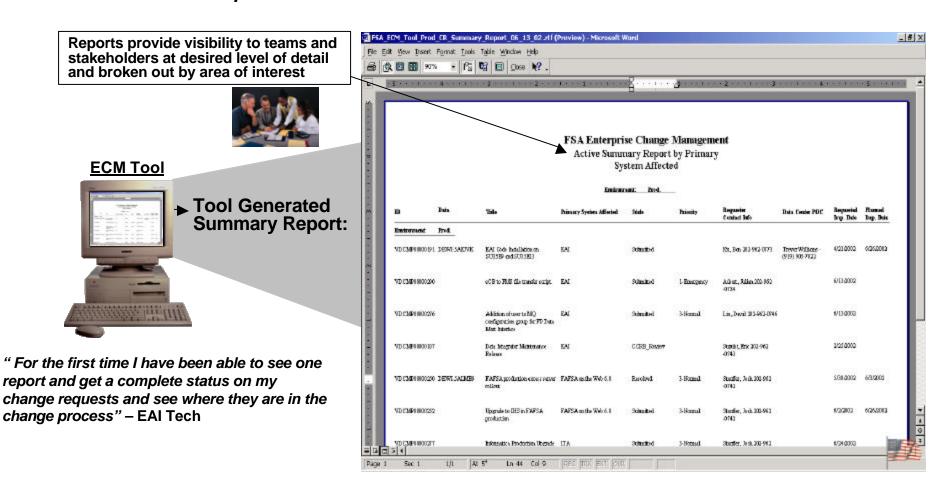
All CR "Data of Record" is accessible in real time to all Tool Users





6. Printable Standard & Dynamic Reports

The Tool's output is a series of standard reports which can be referenced consistently across the FSA Enterprise

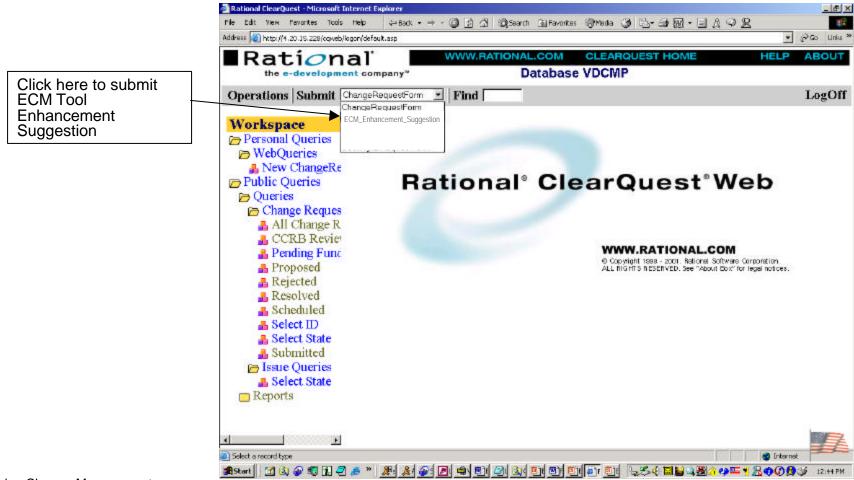


Standards Reports to be available via the FSA CIO Website



7. Tool Enhancements Suggestion Submission

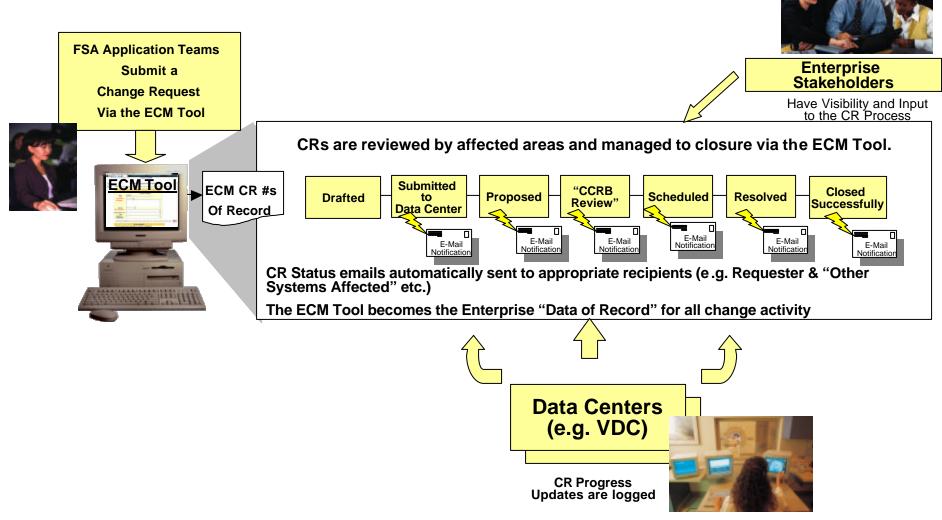
ECM Users can submit suggestions for improvements to the ECM Tool directly into the Tool.





How Does the ECM Process work?

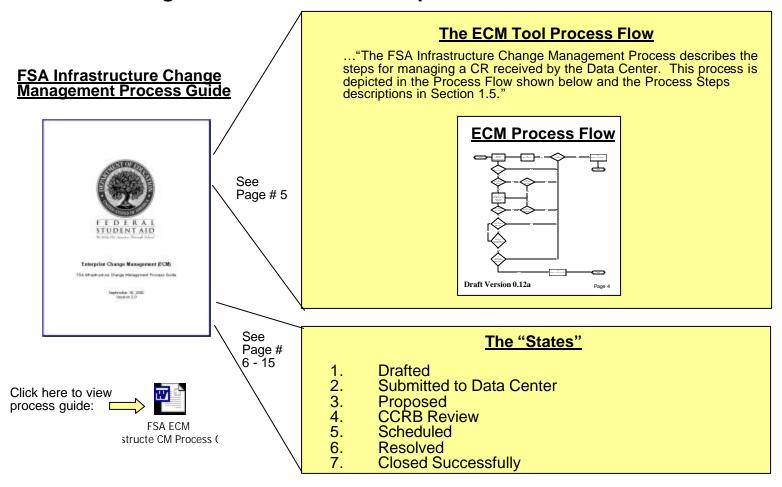
A Change Request (CR) is identified...

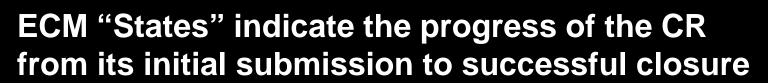




ECM Tool Process Flow & "States"

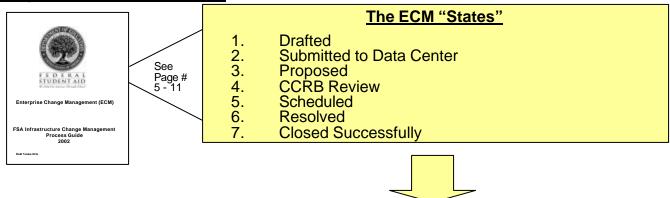
The FSA Infrastructure Change Management Process Guide (pictured below) provides detailed information on the ECM Process, including explanation of the "States" through which a CR moves as part of the ECM Process:



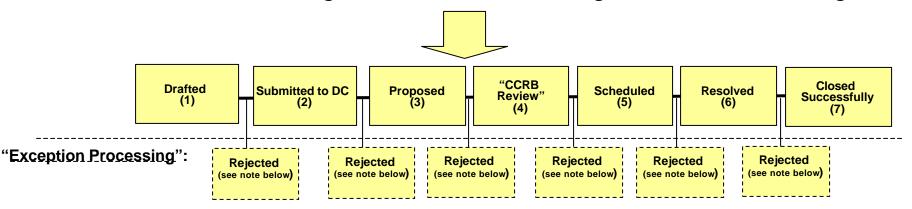




FSA Infrastructure Change Management Process Guide



CRs moves through these 7 states during "Normal Processing":



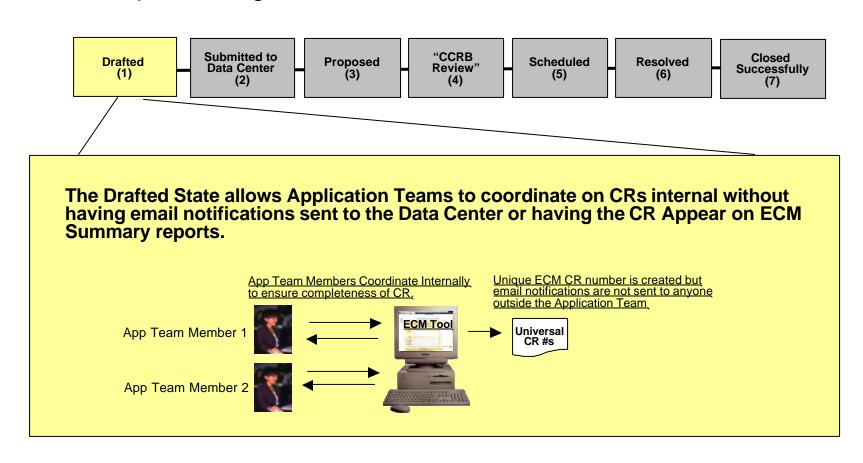
Note: Emergency CRs are to be immediately called-in to the CSC Command Center and entered into the Tool within 72 hours for traceability purposes.

In addition to the "Normal Processing States (shown above), "Exception Processing" (including "Rejected" & "Pending Funding" States) is covered on pages 5 – 11 of the Infrastructure CM Process Guide



Drafted State

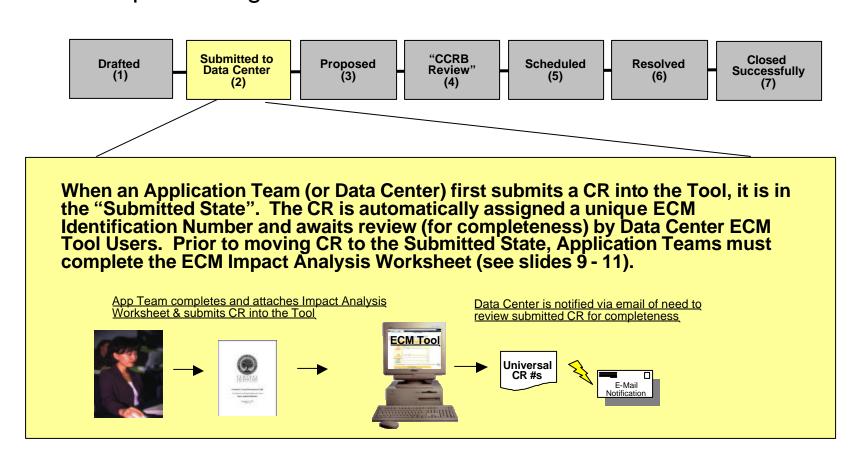
These 7 states are the states that a CR moves through during "normal processing".





Submitted State

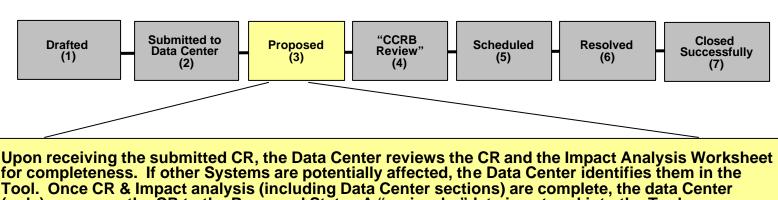
These 7 states are the states that a CR moves through during "normal processing".





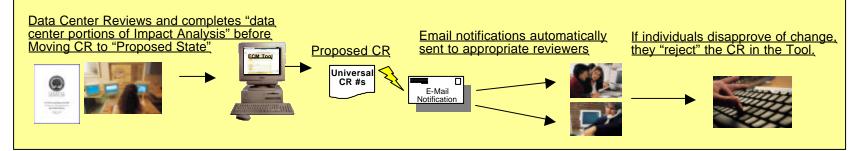
Proposed State

These 7 states are the states that a CR moves through during "normal processing".



for completeness. If other Systems are potentially affected, the Data Center identifies them in the Tool. Once CR & Impact analysis (including Data Center sections) are complete, the data Center (only) can move the CR to the Proposed State. A "review-by" date is entered into the Tool.

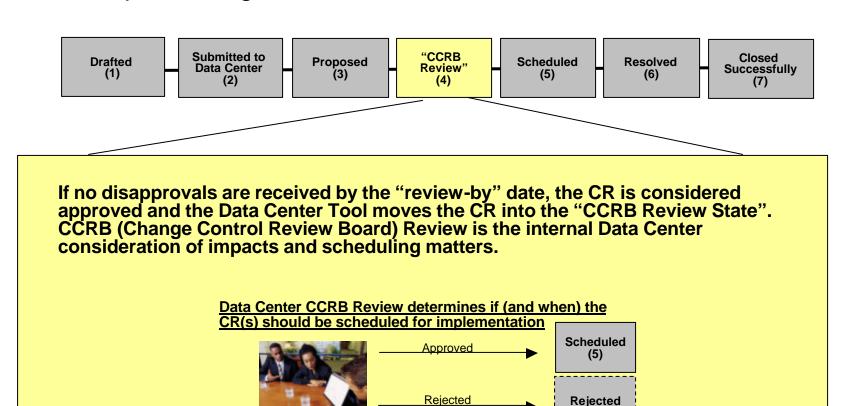
When the CR is moved into the Proposed State, an email (which summarizes the CR) is automatically sent to the individuals who are potentially affected by the CR. The email's subject line includes "Action Required" to indicate that the individuals who receive the email upon the "proposal" of a CR must review the proposed CR. If the reviewer has any concerns regarding the proposed CR, they must go into the Tool and "reject" the proposed CR (see User's Guide section 4.6)





CCRB Review State

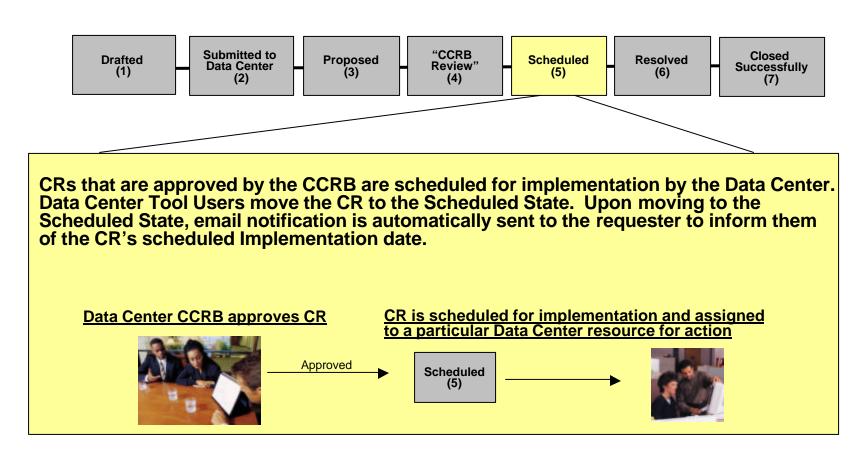
These 7 states are the states that a CR moves through during "normal processing".





Scheduled State

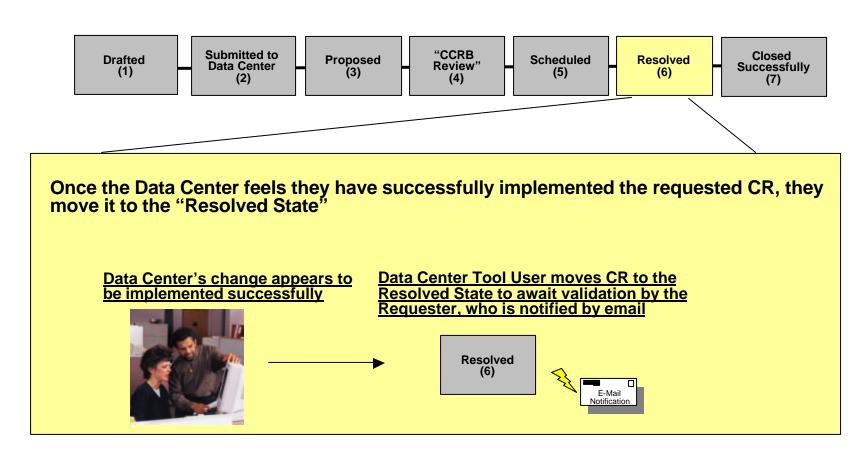
These 7 states are the states that a CR moves through during "normal processing".





Resolved State

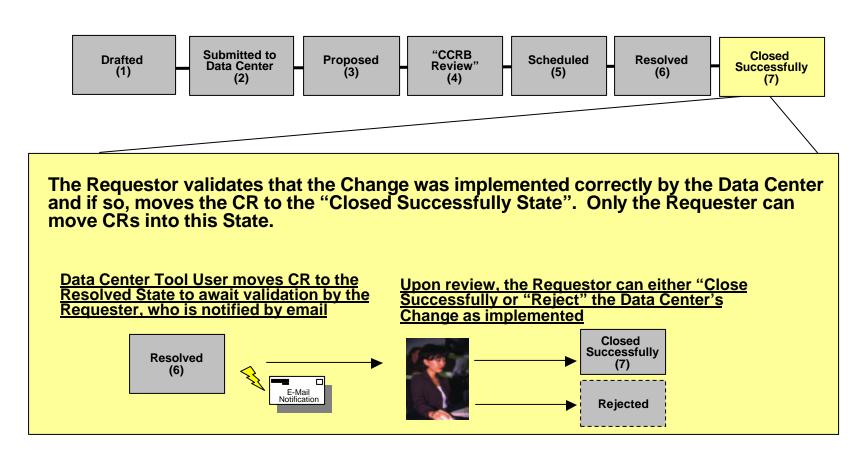
These 7 states are the states that a CR moves through during "normal processing".





Closed Successfully State

These 7 states are the states that a CR moves through during "normal processing".



Becoming an ECM Tool User involves performing regular "ECM-actions"



"ECM-actions" to be taken vary based the roles and responsibilities of the ECM Tool User.

The following Roles may have responsibility for these "ECM-actions":

Application Teams



- 1. Coordinate with Business Owner & SSO prior to submission
- 2. Review and Approve CRs for formal submission to Data Center
- 3. Complete Impact Analysis Worksheet for all approved CRs to Identify "Other Affected Systems"
- 4. Submit Change Requests into the ECM Tool
- 5. Track their own CRs via ECM Reports at Enterprise Coordination Status Meetings
- 6. Validate that CRs implemented by the Data Center were implemented correctly and affirm in the Tool by formally closing the associated CR.

Data Center(s)



- 1. Validate that submitted CRs are complete
- 2. Complete Data Center section of Impact Analysis Worksheet
- 2. Assign & schedule resources to perform changes requested
- 3. Update the Tool as CRs move from State to State (Including Proposed, CCRB Review, Scheduled and Resolved)
- 4. Identify any funding issues and move associated CRs into the "Pending Funding State" if necessary
- 5. Submit "Data Center Initiated" CRs into the Tool (if any potential impact on Application Teams)

Enterprise Stakeholders



- 1. Review CRs (via tool-generated summary emails) that may impact FSA systems of interest
- 2. Provide Tacit Approval of CRs that Effect System
- 3. Disapprove of CRs when appropriate
- 4. Identify potential impacts that may not have been previously identified by Application Teams/Data Centers



Application Team User Roles and Responsibilities

Application Team Roles:



- 1. FSA Functional Manager: Channel Lead/ general Manager (not a regular tool User)
- 2. FSA System Manager Supervisory Role over FSA Team Lead (May use Tool)
- 3. FSA Team Lead Oversees Daily Development Production Operations for FSA
- 4. Backup/other FSA POC Assists/Backs-up FSA Team Lead
- 5. Application Team Project Lead Day to Day Lead for Application team
- 6. Application Team Primary ECM POC Responsible for all App Team updates to ECM Tool
- 7. Backup/other App Team POC Takes action in ECM and supports App Team Primary ECM POC

<u>Application Team Responsibilities (corresponding to Slide 22):</u>

ECM-action	Responsible Role	Supporting Roles
Coordinate with Business Owner & System Security Officer (SSO) prior to submission	Application Team Primary ECM POC, FSA Team Lead	Application Team Project Lead, FSA System Manager
2. Review and Approve CRs for formal submission to Data Center	Application Team Project Lead	Application Team Primary ECM POC, FSA Team Lead
3. Perform Impact Analysis on all approved Change Requests (CRs) to (Identify Other Affected Systems)	Application Team Primary ECM POC	Application Team Project Lead
4. Submit Change Requests into the ECM Tool	Application Team Primary ECM POC	Backup/other App Team POC
5. Track their own CRs via ECM Reports at Enterprise Coordination Status Meetings	Application Team Primary ECM POC	Backup/other App Team POC
6. Validate that CRs implemented by the Data Center were implemented correctly and indicate in the Tool by formally closing the associated CR.	Application Team Primary ECM POC	Backup/other App Team POC

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Data Center User Roles and Responsibilities

Data Center(s) Roles:



- 1. Service Delivery Manager (SDM): Data Center Role with Ultimate responsibility to coordinate change activities with their associated Teams
- 2. Line of Service Managers (LOS): Data Center Operators who assign Resources and ensure that CRs are moved through the ECM Tool Process States
- 3. Other Data Center POCs: Frequently "assignees" who are scheduled by the LOS Managers to implement requested changes

Data Center(s) Responsibilities (corresponding to Slide 22):

ECM-action	Responsible Role	Supporting Roles
Ensure that Impact Analysis that was performed by App Team Prior to submission of CR and ensure completion of DC Section of Impact Analysis so that all "Other Affected Systems" have been identified in the Tool	SDM	LOS Manager
Assign & schedule resources to perform changes requested	LOS Manager	Other Data Center POCs
3. Update the Tool as CRs move from State-to-State (Including: "Proposed, Review, Scheduled and Resolved")	LOS Manager	Other Data Center POCs
4. Identify any funding issues and move associated CRs into the Pending Funding State	SDM	LOS Manager
5. Submit "VDC Initiated" CRs into the Tool (if any potential impact on Application Teams)	LOS Manager	Other Data Center POCs



Stakeholder User Roles and Responsibilities

Enterprise Stakeholders



- 1. FSA Business Owners: Representatives of the Channels who are interested in Applications' smooth business operations
- 2. FSA CIO IT Services: ITS Representative coordinate Teams' Change Activity and ensure that Application Teams exercise due diligence in submitting and updating CRs with Enterprise Impacts
- 3. Department of ED CIO: receives high level/executive Summary of Change Activity at FSA
- 4. Other Applications: Some Applications are not yet using the ECMTool, they can view the ECM Tool Reports
- 5. ECM Tool Team: Provides Support and Structure for the ECM Tool and Process. Responsible for Tool's ability to meet overall success criteria (all areas)

Enterprise Stakeholder Responsibilities (corresponding to Slide 22):

ECM-action	Responsible Role	Supporting Roles
Review CRs (via tool-generated summary emails) that may impact FSA systems of interest	FSA CIO IT Services	All above
2. Provide Tacit Approval of CRs that Affect System	FSA Business Owners	All above
3. Disapprove of CRs when appropriate	FSA Business Owners	FSA CIO IT Services
4. Identify potential impacts that may not have been previously identified by Application Teams/Data Centers	All above	N/A

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Conclusion / Questions

For additional information on the ECM Tool Contact Steve Jarboe:

Phone: 202.962.0779

Email: steven.r.jarboe@accenture.com

ECM Support Repository:

To access the repository via the Extranet, use the following URL, ID & Password.

URL: https://extranet.sfa.ed.gov/cio/products/it_management/projects.html

ID: sfapartner Password: success

If you are on EDLAN, you can access the ECM Support Repository via the Intranet at the following URL: http://fsanet/cio/products/it_management/projects.html

ECM Tool URL:

http://www.fsatool.ed.gov

If, however, that URL is inaccessible, try the following IP Addresses to gain access to the Tool:

http://4.20.17.246 (if you are on the Accenture or ED LANs) http://198.77.203.140 (if you are remote from the Union Center Plaza Building)

If still unsuccessful, try the following URL or IP Address

https://www.casetool.sfa.ed.gov/cqweb https://4.20.15.228/cqweb

https://20.19.67.13/cqweb/logon/default

If you still cannot gain access to the Tool, please notify me or one of the following:

Jay Niemczyk (202) 962-0757 Samson Abebe (202) 377-3532